

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P274916

Luminaire Tested: **J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (5000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3754.5 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

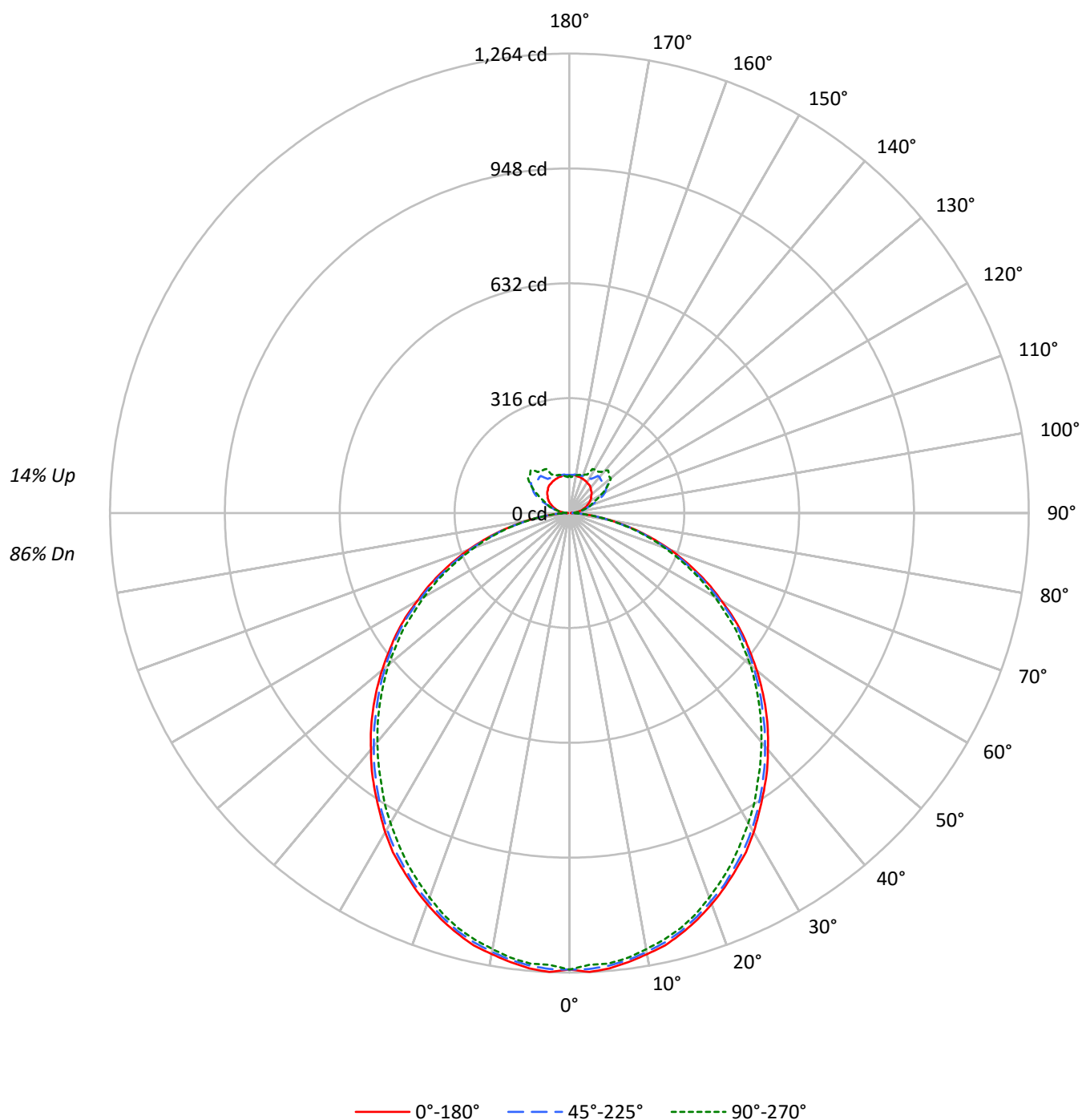
Input Watts (W): 37.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	116	116	116	116	112	112	112	112	104	104	104		96	96	96		90
1	106	101	97	94	102	98	94	91	91	88	85		85	83	80		79
2	97	89	82	77	93	86	80	75	80	75	71		75	71	67		70
3	88	78	70	64	85	75	68	62	71	65	60		66	61	57		62
4	81	69	61	54	77	67	59	53	63	56	51		59	53	49		55
5	74	62	53	47	71	60	52	46	56	49	44		53	47	42		50
6	69	56	47	41	66	54	46	40	51	44	39		48	42	37		45
7	64	51	42	36	61	49	41	36	46	39	34		44	38	33		41
8	59	46	38	32	57	45	37	32	42	36	31		40	34	30		38
9	55	42	34	29	53	41	34	29	39	32	28		37	31	27		35
10	52	39	31	26	50	38	31	26	36	30	25		34	29	24		33

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10136	10136	10136
5°	10191	10127	10079
10°	10098	10049	9985
15°	9998	9947	9881
20°	9834	9766	9664
25°	9650	9579	9438
30°	9452	9360	9175
35°	9193	9095	8900
40°	8953	8828	8662
45°	8727	8547	8411
50°	8456	8308	8159
55°	8194	8083	7861
60°	7802	7674	7450
65°	7452	7263	7037
70°	6965	6779	6545
75°	6301	6176	5992
80°	5342	5249	5156
85°	4039	4215	4039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	3.2
10°-20°	334.2	8.9
20°-30°	492.9	13.1
30°-40°	574.5	15.3
40°-50°	577.6	15.4
50°-60°	508.6	13.5
60°-70°	375.5	10.0
70°-80°	208.0	5.5
80°-90°	54.1	1.4
90°-100°	19.3	0.5
100°-110°	49.6	1.3
110°-120°	80.6	2.1
120°-130°	100.7	2.7
130°-140°	94.6	2.5
140°-150°	74.6	2.0
150°-160°	51.4	1.4
160°-170°	30.3	0.8
170°-180°	10.0	0.3
0°-30°	945.3	25.2
0°-40°	1519.8	40.5
0°-60°	2606.0	69.4
0°-90°	3243.6	86.4
90°-120°	149.5	4.0
90°-150°	419.3	11.2
90°-180°	511.0	13.6
0°-180°	3754.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1256	1256	1256	1256	1256	
5°	1258	1244	1250	1246	1244	119
15°	1196	1184	1190	1184	1182	337
25°	1083	1073	1075	1062	1060	499
35°	933	925	923	907	903	584
45°	764	756	749	739	737	589
55°	582	576	574	562	558	519
65°	390	386	380	372	368	386
75°	202	200	198	192	192	214
85°	44	46	46	44	44	51
90°	4	8	8	8	8	5
95°	14	16	18	18	18	15
105°	38	52	46	50	46	40
115°	56	89	91	79	77	56
125°	73	101	125	129	127	65
135°	85	95	125	154	152	66
145°	95	99	119	137	139	59
155°	99	103	109	117	117	46
165°	103	103	109	111	109	29
175°	105	105	105	105	101	10
180°	103	103	103	103	103	



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CATALOG NUMBER: J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1255.6	1255.6	1255.6	1255.6	1255.6
2.5°	1263.5	1249.7	1255.6	1251.6	1243.7
5°	1257.6	1243.7	1249.7	1245.7	1243.7
7.5°	1245.7	1233.8	1239.7	1235.8	1233.8
10°	1231.8	1219.9	1225.9	1219.9	1218.0
12.5°	1218.0	1204.1	1210.0	1202.1	1202.1
15°	1196.2	1184.3	1190.2	1184.3	1182.3
17.5°	1172.4	1160.5	1164.5	1158.6	1156.6
20°	1144.7	1132.8	1136.8	1128.8	1124.9
22.5°	1115.0	1105.1	1109.0	1095.2	1093.2
25°	1083.3	1073.4	1075.4	1061.5	1059.5
27.5°	1051.6	1037.7	1041.7	1025.9	1021.9
30°	1014.0	1002.1	1004.1	988.2	984.3
32.5°	972.4	964.5	964.5	948.6	946.6
35°	932.8	924.9	922.9	907.0	903.1
37.5°	893.2	883.3	881.3	863.5	863.5
40°	849.6	841.7	837.7	823.9	821.9
42.5°	808.0	798.1	794.2	780.3	780.3
45°	764.4	756.5	748.6	738.7	736.7
47.5°	718.9	711.0	707.0	695.1	693.2
50°	673.3	667.4	661.5	651.6	649.6
52.5°	625.8	621.9	617.9	608.0	602.1
55°	582.2	576.3	574.3	562.4	558.5
57.5°	534.7	528.8	526.8	512.9	507.0
60°	483.2	477.3	475.3	463.4	461.4
62.5°	437.7	431.7	427.8	419.9	415.9
65°	390.1	386.2	380.2	372.3	368.4
67.5°	342.6	338.7	332.7	326.8	322.8
70°	295.1	291.1	287.2	279.2	277.3
72.5°	247.6	243.6	239.6	235.7	235.7
75°	202.0	200.0	198.0	192.1	192.1
77.5°	156.5	154.5	152.5	150.5	150.5
80°	114.9	114.9	112.9	110.9	110.9
82.5°	77.2	77.2	77.2	75.3	75.3
85°	43.6	45.5	45.5	43.6	43.6
87.5°	17.8	17.8	17.8	17.8	17.8
90°	4.0	7.9	7.9	7.9	7.9
92.5°	7.9	9.9	11.9	13.9	11.9
95°	13.9	15.8	17.8	17.8	17.8
97.5°	21.8	23.8	23.8	23.8	23.8
100°	27.7	31.7	29.7	31.7	29.7
102.5°	33.7	41.6	41.6	37.6	37.6
105°	37.6	51.5	45.5	49.5	45.5
107.5°	41.6	63.4	53.5	55.5	57.4
110°	47.5	71.3	65.4	59.4	61.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	51.5	87.1	77.2	69.3	67.3
115°	55.5	89.1	91.1	79.2	77.2
117.5°	61.4	89.1	103.0	93.1	89.1
120°	65.4	95.1	112.9	105.0	101.0
122.5°	69.3	99.0	118.8	118.8	114.9
125°	73.3	101.0	124.8	128.7	126.7
127.5°	75.3	95.1	134.7	140.6	138.6
130°	79.2	91.1	132.7	142.6	148.5
132.5°	83.2	93.1	128.7	144.6	148.5
135°	85.2	95.1	124.8	154.5	152.5
137.5°	87.1	97.0	126.7	148.5	158.4
140°	91.1	97.0	128.7	140.6	152.5
142.5°	93.1	99.0	128.7	134.7	142.6
145°	95.1	99.0	118.8	136.6	138.6
147.5°	95.1	101.0	110.9	138.6	138.6
150°	97.0	101.0	110.9	138.6	138.6
152.5°	99.0	103.0	108.9	120.8	136.6
155°	99.0	103.0	108.9	116.8	116.8
157.5°	101.0	103.0	108.9	114.9	114.9
160°	101.0	103.0	108.9	112.9	110.9
162.5°	103.0	103.0	106.9	110.9	108.9
165°	103.0	103.0	108.9	110.9	108.9
167.5°	103.0	105.0	106.9	108.9	106.9
170°	105.0	105.0	106.9	106.9	105.0
172.5°	105.0	105.0	106.9	105.0	103.0
175°	105.0	105.0	105.0	105.0	101.0
177.5°	105.0	103.0	105.0	103.0	99.0
180°	103.0	103.0	103.0	103.0	103.0

(END OF REPORT)